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TITLE: Preparation of a hemoglobin complex material by adding  
an antioxidant material containing selenium and organic  
germanium to hemoglobin

INVENTOR: LEE, D P; LEE, S N

PATENT-ASSIGNEE: LEE D P[LEEDI] , LEE S N[LEESI]

PRIORITY-DATA: 2000KR-0049972 (August 28, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 2002016954 A	March 7, 2002	N/A	000	A61K 038/42

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
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INT-CL (IPC): A61K038/42

ABSTRACTED-PUB-NO: KR2002016954A

BASIC-ABSTRACT:

NOVELTY - A process of preparing a hemoglobin complex material by adding an antioxidant material containing selenium and an organic germanium component to hemoglobin is provided. Whereby, the complex has an effect on stabilizing hemoglobin and maximizing oxygen carrying capacity.

DETAILED DESCRIPTION - A process of preparing a hemoglobin complex material by adding an antioxidant material containing selenium and an organic germanium component to hemoglobin is provided. Whereby, the complex has an effect on stabilizing hemoglobin and maximizing oxygen carrying capacity. Hemoglobin is



bonded with an antioxidant material containing selenium and a suitable amount of an organic germanium component by synthesis. The antioxidant is one or more selected from the group consisting of vitamin E, vitamin C, sesamol, gossypol, lecithin, tocopherol (gamma, beta), genistein, daidzein, glycitein and tannin compounds.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: PREPARATION HAEMOGLOBIN COMPLEX MATERIAL ADD  
ANTIOXIDANT MATERIAL  
CONTAIN SELENIUM ORGANIC GERMANIUM HAEMOGLOBIN

DERWENT-CLASS: B04

CPI-CODES: B03-F; B03-H; B04-B01B; B04-B04D2; B05-A03B; B05-B01P;  
B05-B02C;  
B06-A01; B06-A02; B07-A02B; B10-E02; B11-C01C; B14-S08;

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